

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

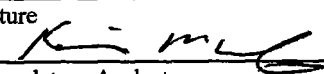
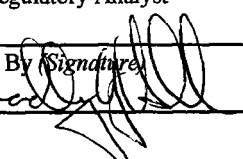
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a Type of Work. <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5 Lease Serial No UTU-025187
1b Type of Well: <input type="checkbox"/> <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6 If Indian, Allottee or Tribe Name N/A
2 Name of Operator Kerr-McGee Oil & Gas Onshore, LP		7 If Unit or CA Agreement, Name and No. 891008900A
3a Address P O Box 173779 Denver, CO 80217-3779		8 Lease Name and Well No. NBU 1022-10FT
3b Phone No (include area code) 720 929 6226		9 API Well No. 43-047-40196
4 Location of well (Report location clearly and in accordance with any State requirements *) At surface 2200 2094 SE NW Lat 39 96472 Long -109 42721 FNL FWL At proposed prod zone N/A 44248054 -109. 427233 NAD 27		10 Field and Pool, or Exploratory Natural Buttes Field
11 Sec ,T ,R ,M ,or Blk and Survey or Area Sec 10 T 10S R 22E		
14 Distance in miles and direction from the nearest town or post office* 25 miles northeast of Ouray, Utah		12 Cou State Utah
15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drlg unit line, if any) 2094	16 No of acres in lease 600	17 Spacing Unit dedicated to this well 40
18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft 30'	19 Proposed Depth 8600'	20 BLM/ BIA Bond No. on file WYB000291
21 Elevations (Show whether DF RT, GR, etc ) 5,102' GR	22 Aproximate date work will start* Upon Approval	Esti mat 10 days

24 Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1 shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor   | 4. Bond to cover the operations unless covered by existing bond on file (see item 20 above)    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan ( if the location is on National Forest System Land SUPO shall be filed with the appropriate Forest Service Office) | 6. Such other site specific information and/ or plans as may be required by authorized officer |

25. Signature 	Name (Printed/ Typed) Kevin McIntyre	RECEIVED JUN 27 2008 DIV. OF OIL, GAS & MINING
Title Regulatory Analyst		
Approved By (Signature) 	Name (Printed/ Typed) BRADLEY G. HILL	07-16-08
Title	Office ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Continued on page 2)

\*(Instructions on page 2)

Federal Approval of this  
Action is Necessary

DATE SURVEYED: 06-03-08	SURVEYED BY: M.S.B.	SHEET <b>2</b> OF 7
DATE DRAWN: 06-05-08	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised:	

**NBU 1022-10FT  
SENW Sec. 10, T10S, R22E  
UINTAH COUNTY, UTAH  
UTU-025187**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1058'
Bird's Nest	1358'
Mahogany	1838'
Wasatch	4164'
Mesaverde	6490'
MVU2	7493'
MVL1	8069'
TD	8600'

**2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1058'
	Bird's Nest	1358'
	Mahogany	1838'
Gas	Wasatch	4164'
Gas	Mesaverde	6490'
Gas	MVU2	7493'
Gas	MVL1	8069'
Water	N/A	
Other Minerals	N/A	

**3. Pressure Control Equipment (Schematic Attached)**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

**4. Proposed Casing & Cementing Program:**

*Please see the Natural Buttes Unit SOP.*

**5. Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

**6. Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8600' TD, approximately equals 5332 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3440 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

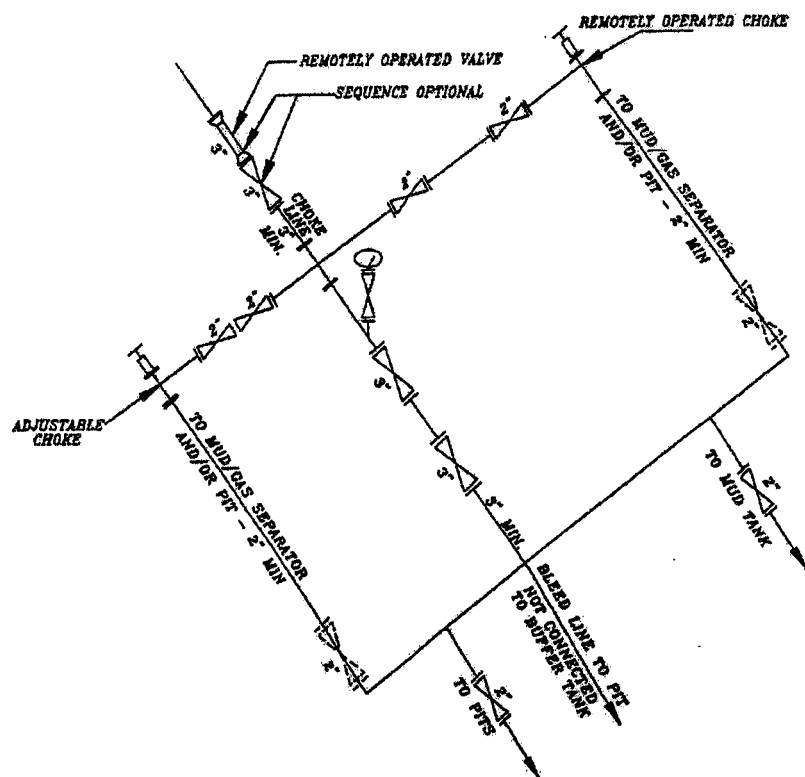
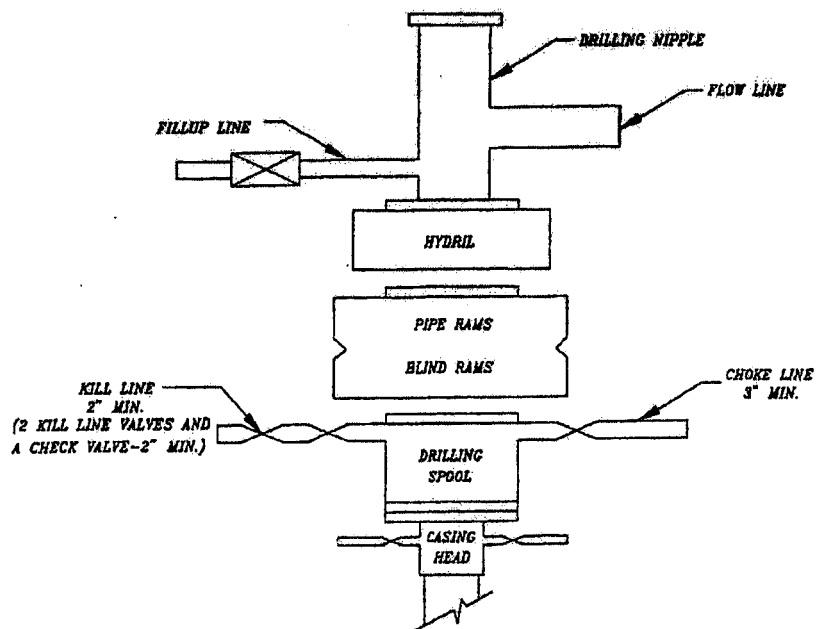
9. **Variances:**

*Please see Natural Buttes Unit SOP. Please see Kerr McGee's sundry regarding variance request to Onshore Order #2 regarding Air drilling for surface casing.*

10. **Other Information:**

*Please see Natural Buttes Unit SOP.*

EXHIBIT A



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

**NBU 1022-10FT  
SENW Sec. 10 ,T10S,R22E  
UINTAH COUNTY, UTAH  
UTU-025187**

**ONSHORE ORDER NO. 1**

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

**1. Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

**2. Planned Access Roads:**

No new access road is planned, as this is a twin location. Refer to Topo Map B.

*Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.*

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities:**

No new pipeline, as we will be utilizing the existing NBU #248 pipeline. No TOPO D attached.

*Please see the Natural Buttes Unit SOP.*

**Variances to Best Management Practices (BMPs) Requested:**

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

**Interim Surface Reclamation Plan:**

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the

original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

*Please see the Natural Buttes SOP.*

6. **Source of Construction Materials:**

*Please see the Natural Buttes SOP.*

7. **Methods of Handling Waste Materials:**

*Please see the Natural Buttes SOP.*

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

*Please see the Natural Buttes SOP.*

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

**10. Plans for Reclamation of the Surface:**

*Please see the Natural Buttes SOP.*

upon reclamation of the pit the following seed mixture will be used. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for **drilled** seed are:

Crested Wheatgrass      12 lbs.

Operator shall call the BLM for the seed mixture when final reclamation occurs.

**11. Surface/Mineral Ownership:**

The well pad, access road, pipeline and mineral ownership are listed below:

United States of America  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
(435)781-4400

**12. Stipulations****Wildlife Stipulations:**

- Antelope Stipulations:  
No construction from May 15 through June 20.

**Critical Soils Stipulations:**

No construction when wet.

**13. Other Information:**

A Class III archaeological survey and a paleontological survey have been performed and will be submitted.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

**14. Lessee's or Operator's Representative & Certification:**

Kevin McIntyre  
Regulatory Analyst  
Kerr-McGee Oil & Gas Onshore LP  
P.O. Box 173779  
Denver, CO 80217-3779  
(720) 929-6226

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7018

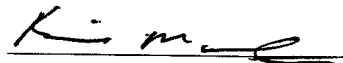
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Kevin McIntyre

6/24/2008  
Date



# KERR-McGEE OIL & GAS ONSHORE LP

## DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE June 24, 2008  
 WELL NAME NBU 1022-10FT TD 8,600' MD/TVD  
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,102' GL KB 5,117'  
 SURFACE LOCATION SENW 2200' FNL & 2094' FWL, SEC. 10, T10S, R22E BHL Straight Hole  
 Latitude: 39.964720 Longitude: -109.427210 NAD 27  
 OBJECTIVE ZONE(S) Wasatch/Mesaverde  
 ADDITIONAL INFO Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.

GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,164'					
	Green River @	1,058'			
	Top of Birds Nest Water @	1358'			
	Mahogany @	1,838'			
	Preset f/ GL @				
	2,000' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD					
Open hole logging program f/ TD - surf csg					
	Wasatch @	4,164'			
	Mverde @	6,490'			
	MVU2 @	7,493'			
	MVL1 @	8,069'			
	TD @	8,600'			
			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-10.0 ppg
					Max anticipated Mud required 11.6 ppg



CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2000	36.00	J-55	LTC	3520	2020	453000
						1.07	2.16	8.01
PRODUCTION	4-1/2"	0 to 8600	11.60	I-80	LTC	7780	6350	201000
						2.36	1.22	2.31

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)  
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)  
 (Burst Assumptions: TD = 11.6 ppg) .22 psi/ft = gradient for partially evac wellbore  
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
 MASP 3440 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	LEAD	1500	NOTE: If well will circulate water to surface, option 2 will be utilized Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,660'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	400	60%	11.00	3.38
	TAIL	4,940'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1380	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE: \_\_\_\_\_

DRILLING SUPERINTENDENT:

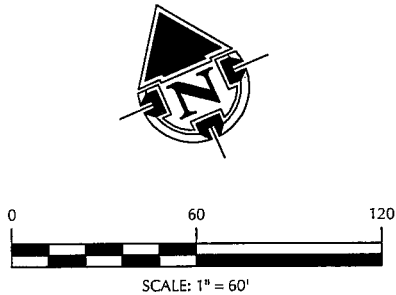
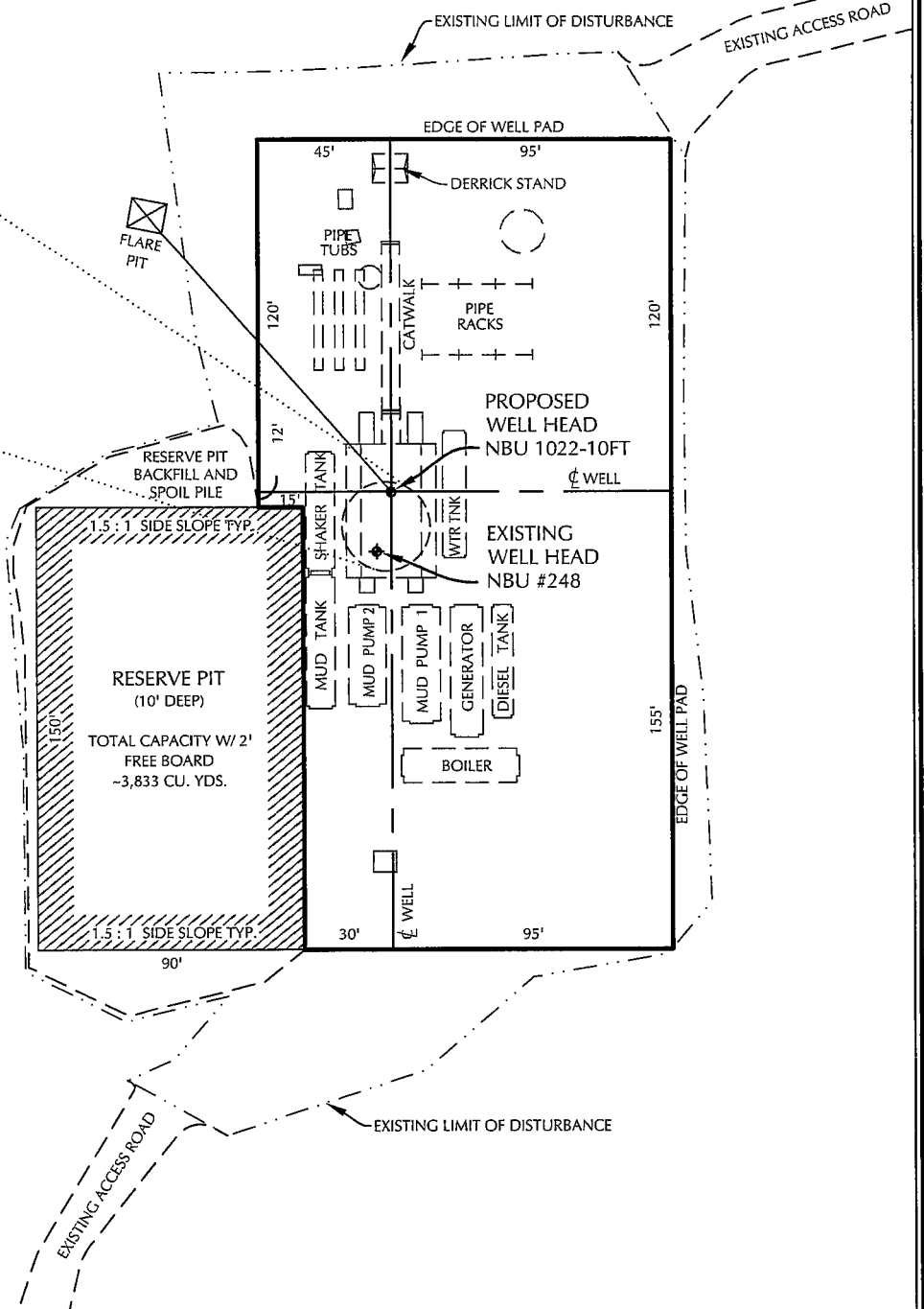
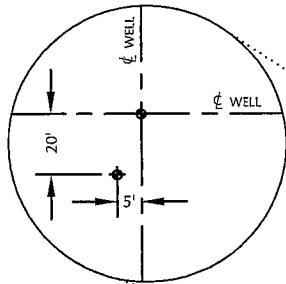
Randy Bayne NBU 1022-10FT.xls

DATE: \_\_\_\_\_

**Kerr-McGee Oil & Gas Onshore, LP**  
**NBU #1022-10FT**  
**SECTION 10, T10S, R22E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH, ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.2 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 16.5 MILES TO OURAY, UTAH; PROCEED FROM OURAY, UTAH, IN A SOUTHERLY DIRECTION ON STATE HIGHWAY 88 APPROXIMATELY 9.4 MILES TO THE JUNCTION OF STATE HIGHWAY 88 AND SEEP RIDGE ROAD; EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND GLEN BENCH ROAD; EXIT LEFT AND PROCEED IN AN EASTERLY DIRECTION FOR APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND BITTER CREEK ROAD; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION, GRADUALLY CHANGING TO SOUTHEASTERLY FOR APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION FOR APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND THE PROPOSED NBU 1022-10FT WELL LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH, TO THE PROPOSED NBU 1022-10FT WELL LOCATION IS APPROXIMATELY 54.7 MILES.



**KERR-MCGEE OIL & GAS  
ONSHORE, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

**NBU 1022-10FT  
LOCATION LAYOUT  
2,200' FNL - 2,094' FWL  
SE1/4NW1/4, SEC. 10, T.10S., R.22E.  
S.L.B. & M., UTAH COUNTY, UTAH**



**CONSULTING, LLC**  
371 Coffeen Avenue  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182

**NOTES:**

1. FLARE PIT IS TO BE LOCATED A MIN. OF 100' FROM THE WELL HEAD
2. ELEVATION BASED ON TRI-STA "TWO WATERS" LOCATED IN THE NW1/4 OF SEC. 1, T.10S., R.21E., S.L.B. & M. (THE ELEVATION OF THIS TRI-STA IS SHOWN ON THE BIG PACK MTN. NE 7.5 MIN. QUADRANGLE AS BEING 5,238')
3. NBU 1022-10FT EXISTING GROUND ELEVATION = 5,101.8'

Scale: 1"=60'	Date: 6/9/08	SHEET NO:
REVISED:	BY DATE	3 3 OF 7

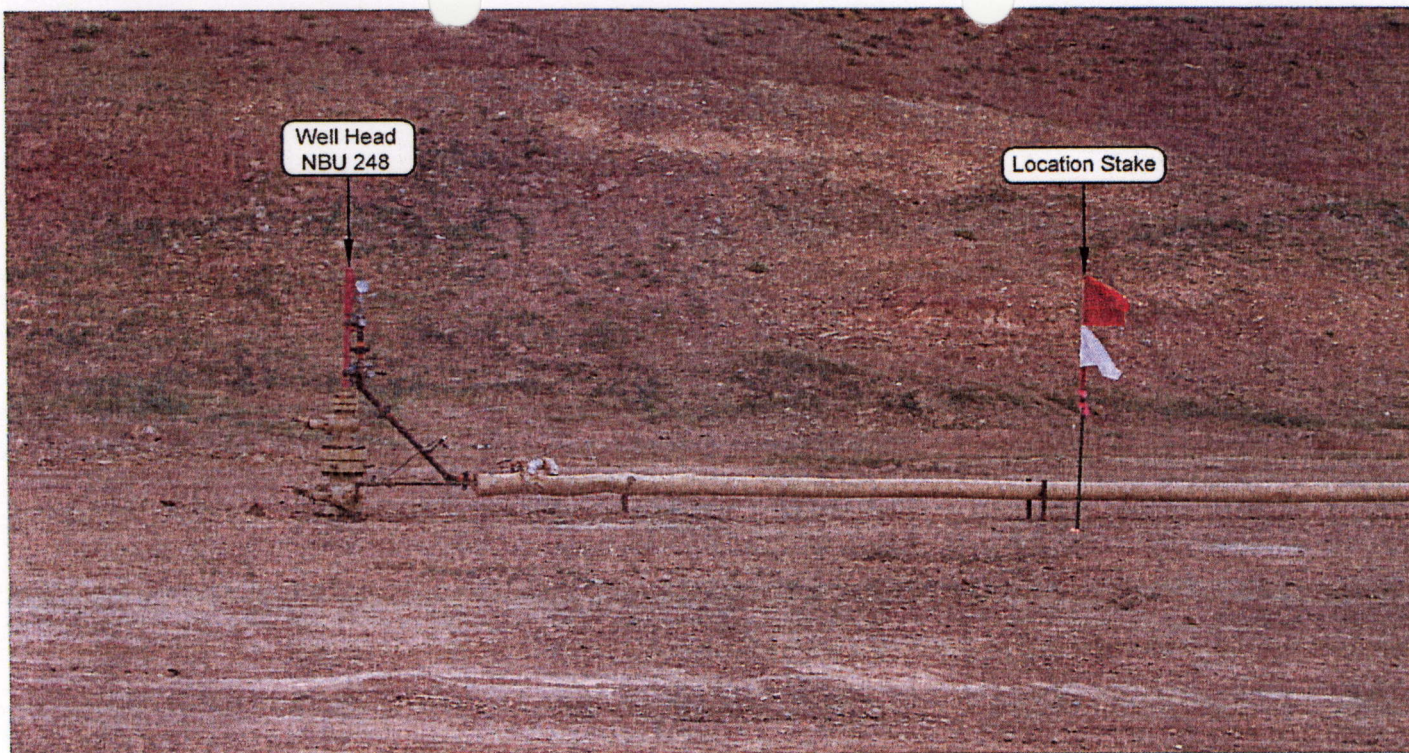


PHOTO VIEW: LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

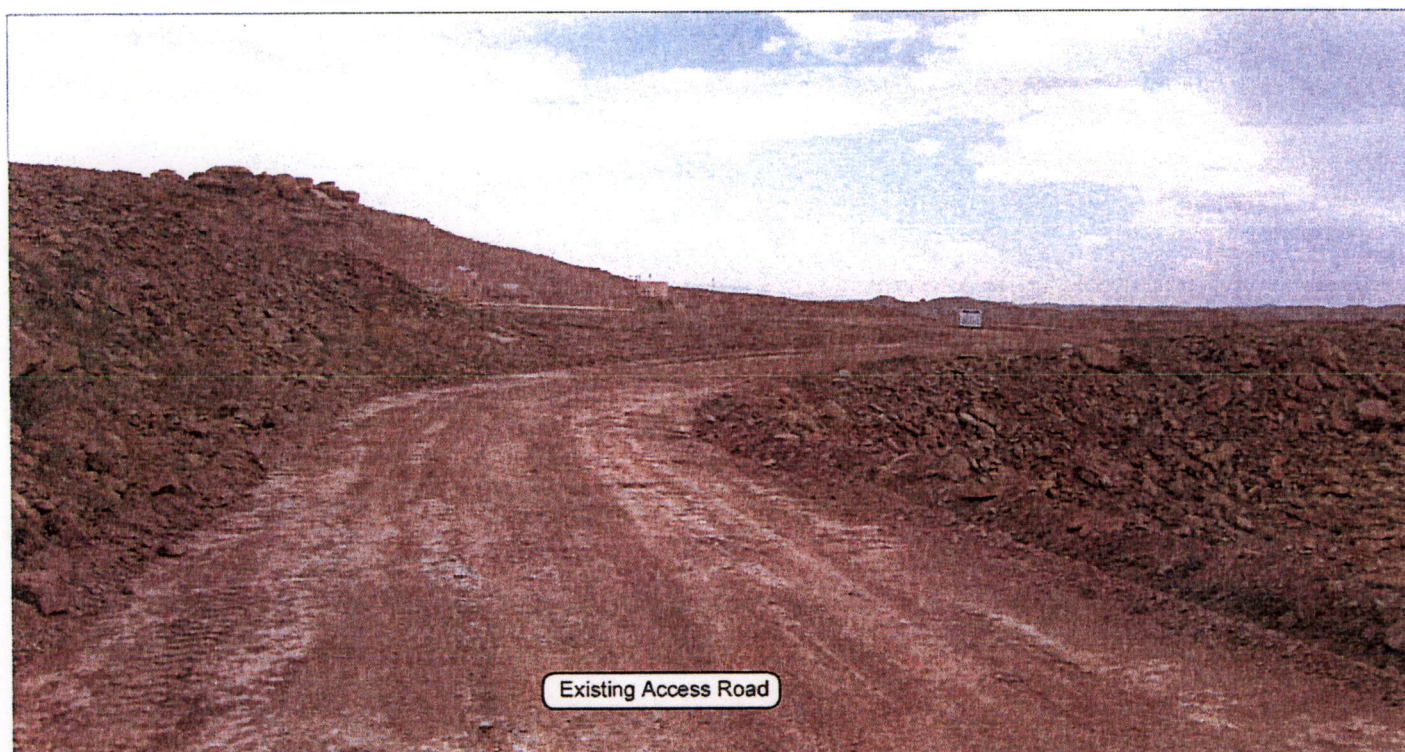


PHOTO VIEW: EXISTING ROAD

CAMERA ANGLE: SOUTHERLY

**Kerr-McGee  
Oil & Gas Onshore, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-10FT  
2200' FNL, 2094' FWL  
SE  $\frac{1}{4}$  NW  $\frac{1}{4}$  OF SECTION 10, T10S, R22E,  
S.L.B.&M. UINTAH COUNTY, UTAH.



CONSULTING, LLC  
371 Coffeen Avenue  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182

**LOCATION PHOTOS**

DATE TAKEN: 06-03-08

DATE DRAWN: 06-05-08

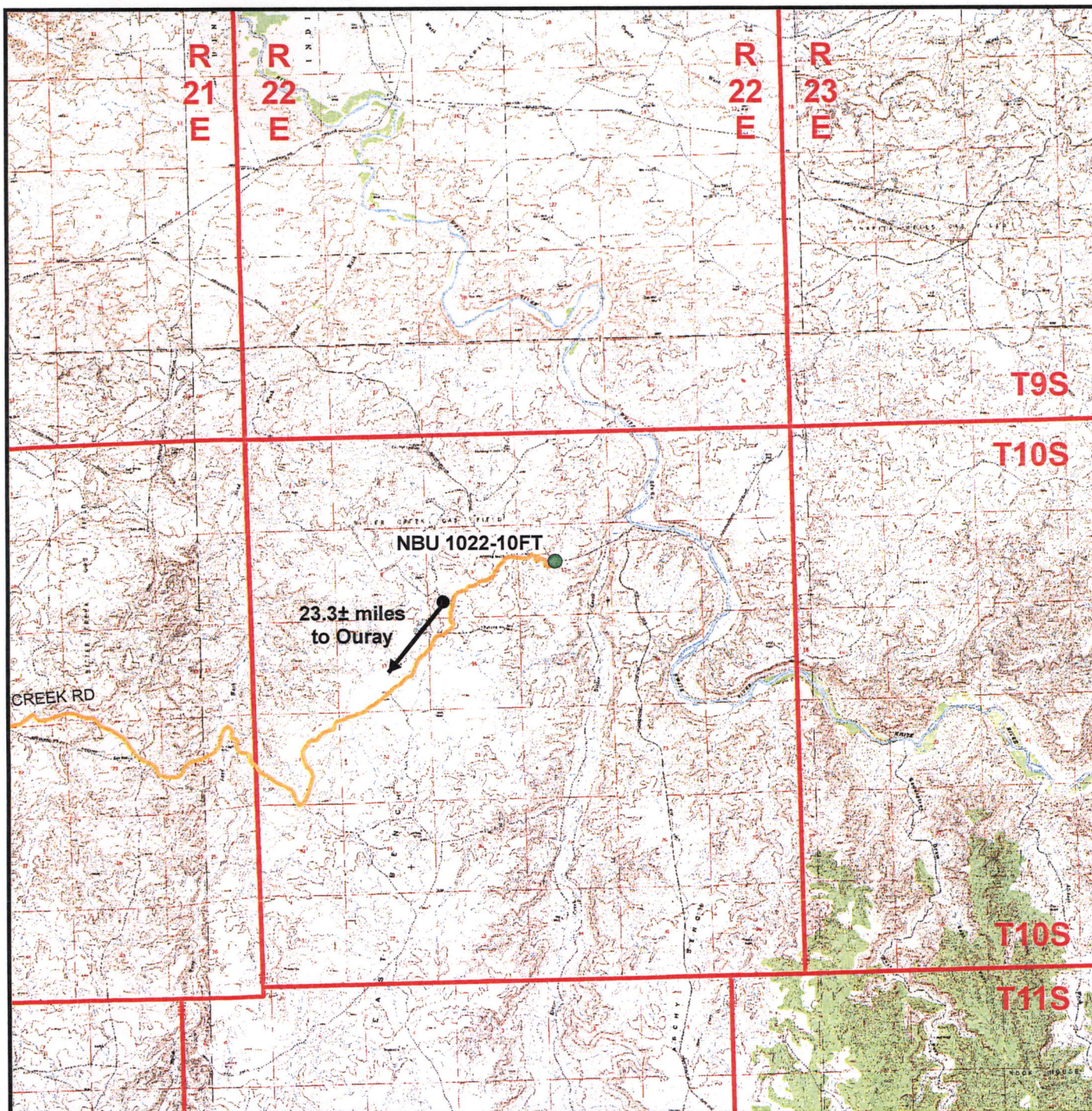
TAKEN BY: M.S.B.

DRAWN BY: M.W.W.

REVISED:

**Timberline** (435) 789-1365  
Engineering & Land Surveying, Inc.  
38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET  
4  
OF 7



## Legend

● Proposed NBU 1022-10FT Well Location

— Existing Access Roads

**Kerr-McGee Oil & Gas Onshore, LP**  
1099 18th Street, Suite 1200 - Denver, Colorado 80202

**NBU 1022-10FT**  
**Topo A**  
**2200' FNL, 2094' FWL**  
**SE ¼ NW¼, Section 10, T10S, R22E**  
**S.L.B.&M., Uintah County, Utah**

  
**CONSULTING, LLC**  
371 Coffeen Avenue  
Sheridan, WY 82801  
Phone (307) 673-0036  
Fax (307) 674-0182



Scale: 1:100,000 NAD83 US P Centra  
Drawn: JELO Date: 12 June 2008  
Revised: Date:

Sheet No:

**5**

5 of 7





**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/27/2008

API NO. ASSIGNED: 43-047-40196

WELL NAME: NBU 1022-10FT

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

CONTACT: KEVIN MCINTYRE

PHONE NUMBER: 720-929-6226

PROPOSED LOCATION:

SENW 10 100S 220E

SURFACE: 2200 FNL 2094 FWL

BOTTOM: 2200 FNL 2094 FWL

COUNTY: UINTAH

LATITUDE: 39.96462 LONGITUDE: -109.4272

UTM SURF EASTINGS: 634327 NORTHINGS: 4424805

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-025187

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000291 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-8496 )  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

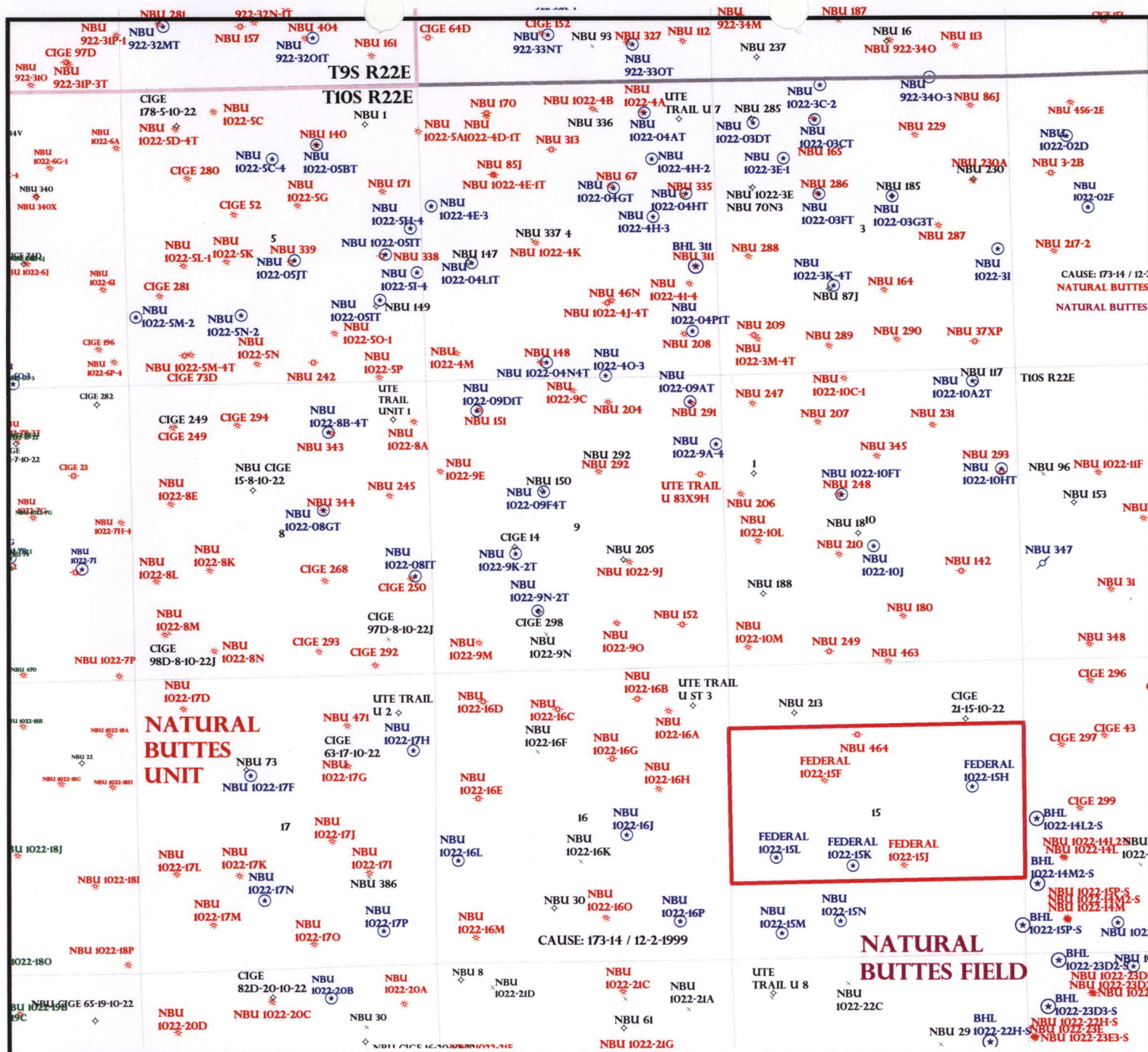
LOCATION AND SITING:

       R649-2-3.  
Unit: NATURAL BUTTES  
       R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
       R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 173-14  
Eff Date: 12-2-1999  
Siting: 440' for 11.6 acre Suncomm Tract  
       R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

1- Federal Approval  
2- OIL SHALE



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 8.9.10 T.10S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

**Field Status**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

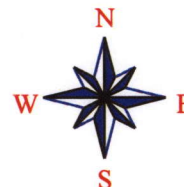
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 14-JULY-2008

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

July 15, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Natural Buttes Unit  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
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(Proposed PZ Wasatch/MesaVerde)

43-047-40184	NBU 921-30FT	Sec 30 T09S R21E 1585 FNL 2614 FWL
43-047-40185	NBU 921-31BT	Sec 31 T09S R21E 0670 FNL 2008 FEL
43-047-40170	NBU 921-27KT	Sec 27 T09S R21E 1527 FSL 1821 FWL
43-047-40171	NBU 921-27MT	Sec 27 T09S R21E 0634 FSL 0931 FWL
43-047-40172	NBU 921-27OT	Sec 27 T09S R21E 0646 FSL 2211 FEL
43-047-40173	NBU 921-27HT	Sec 27 T09S R21E 2025 FNL 0623 FEL
43-047-40174	NBU 921-27LT	Sec 27 T09S R21E 1954 FSL 0641 FWL
43-047-40175	NBU 921-33K	Sec 33 T09S R21E 2066 FSL 1926 FWL
43-047-40227	NBU 921-27C2D	Sec 27 T09S R21E 0650 FNL 1730 FWL
43-047-40203	NBU 921-27D2DS	Sec 27 T09S R21E 0660 FNL 1713 FWL
	BHL	Sec 27 T09S R21E 0395 FNL 0350 FWL
43-047-40202	NBU 921-27D2AS	Sec 27 T09S R21E 0640 FNL 1747 FWL
	BHL	Sec 27 T09S R21E 0050 FNL 0350 FWL
43-047-40201	NBU 921-27C2AS	Sec 27 T09S R21E 0630 FNL 1765 FWL
	BHL	Sec 27 T09S R21E 0300 FNL 1730 FWL
43-047-40169	NBU 921-26IT	Sec 26 T09S R21E 1964 FSL 0674 FEL
43-047-40176	NBU 922-29NT	Sec 29 T09S R22E 0845 FSL 1627 FWL
43-047-40177	NBU 922-29KT	Sec 29 T09S R22E 1795 FSL 1936 FWL
43-047-40178	NBU 922-31BT	Sec 31 T09S R22E 0888 FNL 2191 FEL

43-047-40179	NBU 922-32ET	Sec 32	T09S	R22E	2477	FNL	0094	FWL
43-047-40186	NBU 922-33OT	Sec 33	T09S	R22E	0692	FSL	1465	FEL
43-047-40187	NBU 922-33NT	Sec 33	T09S	R22E	0890	FSL	2291	FWL
43-047-40188	NBU 922-33IT	Sec 33	T09S	R22E	2115	FSL	0579	FEL
43-047-40191	NBU 1022-04GT	Sec 04	T10S	R22E	1897	FNL	1861	FEL
43-047-40189	NBU 922-35IT	Sec 35	T09S	R22E	2133	FSL	0627	FEL
43-047-40190	NBU 1022-01CT	Sec 01	T10S	R22E	0819	FNL	2106	FWL
43-047-40192	NBU 1022-08IT	Sec 08	T10S	R22E	1757	FSL	0323	FEL
43-047-40193	NBU 1022-08GT	Sec 08	T10S	R22E	2313	FNL	1922	FEL
43-047-40194	NBU 1022-09AT	Sec 09	T10S	R22E	0472	FNL	0582	FEL
43-047-40195	NBU 1022-10HT	Sec 10	T10S	R22E	1798	FNL	0297	FEL
43-047-40196	NBU 1022-10FT	Sec 10	T10S	R22E	2200	FNL	2094	FWL
43-047-40204	NBU 1022-32D1S	Sec 32	T10S	R22E	0205	FNL	2058	FWL
	BHL	Sec 32	T10S	R22E	0270	FNL	1310	FWL
43-047-40205	NBU 1022-32D4AS	Sec 32	T10S	R22E	0198	FNL	2077	FWL
	BHL	Sec 32	T10S	R22E	0760	FNL	1180	FWL
43-047-40206	NBU 1022-32B3S	Sec 32	T10S	R22E	0185	FNL	2114	FWL
	BHL	Sec 32	T10S	R22E	1150	FNL	2130	FEL
43-047-40207	NBU 1022-32D4DS	Sec 32	T10S	R22E	0192	FNL	2096	FWL
	BHL	Sec 32	T10S	R22E	1240	FNL	1050	FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit  
 Division of Oil Gas and Mining  
 Central Files  
 Agr. Sec. Chron  
 Fluid Chron

MCoulthard:mc:7-15-08



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

July 16, 2008

Kerr-McGee Oil & Gas Onshore, LP  
P O Box 173779  
Denver, CO 80217-3779

Re: NBU 1022-10FT Well, 2200' FNL, 2094' FWL, SE NW, Sec. 10, T. 10 South,  
R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40196.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Office



**Operator:** Kerr-McGee Oil & Gas Onshore, LP  
**Well Name & Number** NBU 1022-10FT  
**API Number:** 43-047-40196  
**Lease:** UTU-025187

**Location:** SE NW                      **Sec.** 10                      **T.** 10 South                      **R.** 22 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office      (801) 733-0983 home

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

**5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.**

RECEIVED

FORM APPROVED  
OMB NO. 1004-0157  
Expires: July 31, 2010

JUL 16 2008

BLM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
VERNAL FIELD OFFICE

5. Lease Serial No.  
UTU-025187

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA Agreement, Name and No.  
891008900A

8. Lease Name and Well No.  
NBU 1022-10FT

9. API Well No.  
43 047 4D196

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER  
1b. Type of Well: ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator  
Kerr-McGee Oil & Gas Onshore, LP

3a. Address  
P.O. Box 173779  
Denver, CO 80217-3779

3b. Phone No. (include area code)  
720.929.6226

10. Field and Pool, or Exploratory  
Natural Buttes Field

4. Location of well (Report location clearly and in accordance with any State requirements. \*)  
At surface 2200 2094 SE NW Lat. 39.96472 Long. -109.42721  
FNL FWL  
At proposed prod. zone N/A NAD 27

11. Sec., T., R., M., or Blk. and Survey or Area  
Sec 10 T 10S R 22E

14. Distance in miles and direction from the nearest town or post office\*  
25 miles northeast of Ouray, Utah

12. Cou State  
Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft. 2094  
(Also to nearest drlg. unit line, if any)

16. No. of acres in lease  
600

17. Spacing Unit dedicated to this well  
40

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. 30'

19. Proposed Depth  
8600'

20. BLM/ BIA Bond No. on file  
WYB000291

21. Elevations (Show whether DF, RT, GR, etc.)  
5,102' GR

22. Aproximate date work will start\*  
Upon Approval

Esti  
mat  
10 days


24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1 shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Land SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by existing bond on file (see item 20 above).
- Operator certification.
- Such other site specific information and/ or plans as may be required by authorized officer.

25. Signature  Name (Printed/ Typed) Kevin McIntyre

Title Regulatory Analyst

Approved By (Signature)  Name (Printed/ Typed) Terry Kerkela  
Title Assistant Field Manager Office VERNAL FIELD OFFICE  
Lands & Mineral Resources

NOV 19 2008

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

UDOGM

NOTICE OF APPROVAL

\*(Instructions on page 2)

RECEIVED

NOV 24 2008

DIV. OF OIL, GAS & MINING

10 NOS  
08PP1017.4



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Kerr McGee Oil & Gas Onshore, LP  
Well No: NBU 1022-10FT  
API No: 43-047-40196

Location: SENW, Sec.10, T10S, R22E  
Lease No: UTU-025187  
Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

***SITE SPECIFIC COAs:***

Golden Eagle - January 1 through August 31

No drilling or construction during the above indicated dates unless nest is not active.

Per recommendation of the BLM authorized agent.

## ***DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)***

### **SITE SPECIFIC DOWNHOLE COAs:**

- A copy of Kerr McGee's Standard Operating Practices (SOP version: dated 7/17/08 and approved 7/28/08) shall be on location.
- Drilling plan specifics and practices are referenced in the Kerr McGee Oil & Gas Standard Operating Procedures (SOP version: July 28, 2008). The operators drilling plan items 3 to 9 reference the SOP. Kerr McGee shall adhere to the referenced requirements in the SOP. Kerr McGee and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.
- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- Production casing cement shall be brought up and into the surface casing. Production casing minimum cement top is 1200 ft. The minimum cement top is approximately 800 ft above the surface casing shoe.  
Cmnt Top (TOC) standard will place cmnt behind casing across formation lost circulation zone, Birds Nest Zone.  
COA specification fulfills operators performance standard stated in APD (where operators toc is calc'd with an excess to reach surface).
- A Gamma Ray well Log shall be run from the well Total Depth to the surface.  
A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

Name of Company: Kerr-McGee Oil & Gas Onshore, LP

Well Name: NBU 1022-10FT

API No: 43-047-40196 Lease Type: Federal

Section 10 Township 10S Range 22E County Uintah

Drilling Contractor Pete Martin Drilling Rig # Bucket

### SPUDDED:

Date 04/11/09

Time 09:00 AM

How Dry

**Drilling will Commence:** \_\_\_\_\_

Reported by Lew Weldon

Telephone # 435-781-7060

Date 04/14/2009

Signed RM

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator KERR McGEE OIL & GAS ONSHORE LP Operator Account Number N 2995  
Address 1368 SOUTH 1200 EAST  
city VERNAL  
state UT zip 84078 Phone Number (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740196	NBU 1022-10FT		SENW	10	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	4/11/2009			<u>4/16/09</u>	
Comments: MIRU PETE MARTIN BUCKET RIG <u>WSMVB</u> SPUD WELL LOCATION ON 04/11/2009 AT 0900 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738488	NBU 1022-3K-4T		NESW	3	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	4/9/2009			<u>4/16/09</u>	
Comments: MIRU PETE MARTIN BUCKET RIG <u>WSMVB</u> SPUD WELL LOCATION ON 04/09/2009 AT 1000 HRS							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740434	NBU 1022-2A2T		NENE	2	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	4/10/2009			<u>4/16/09</u>	
Comments: MIRU PETE MARTIN BUCKET RIG <u>WSMVB</u> SPUD WELL LOCATION ON 04/10/2009 AT 1000 HRS.							

**ACTION CODES.**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

**RECEIVED**

APR 14 2009

DIV. OF OIL, GAS & MINING

SHEILA UPCHEGO

Name (Please Print)

Signature

REGULATORY ANALYST

Title

4/14/2009

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU025187
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. NBU 1022-10FT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T10S R22E SENW 2200FNL 2094FWL		9. API Well No. 43-047-40196
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

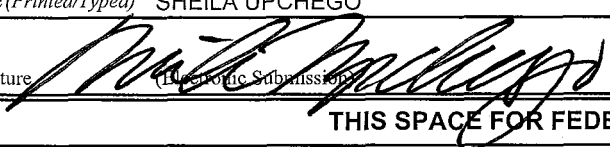
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Well Spud
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 9 5/8" 36.7# SCHEDULE 10 PIPE.  
CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 04/11/2009 AT 0900 HRS.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #68896 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal		
Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS	
Signature 	Date 04/14/2009	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office _____		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED

RECEIVED  
APR 20 2009  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU025187
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. NBU 1022-10FT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T10S R22E SENW 2200FNL 2094FWL		9. API Well No. 43-047-40196
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

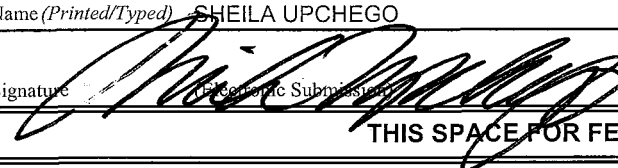
## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PROPETRO AIR RIG ON 04/16/2009. DRILLED 12 1/4" SURFACE HOLE TO 2290'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS THROUGH OUT JOB 280 PSI LIFT LAND PLUG W/700 PSI FLOAT DID NOT HOLD. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE. 2ND TOP OUT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE. 3RD TOP OUT W/75 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE GOOD CMT TO SURFACE HOLES STAYED FULL.

WORT.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #69432 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal		
Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS	
Signature 	Date 04/24/2009	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office _____		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**RECEIVED****\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* APR 30 2009**

DIV. OF OIL, GAS &amp; MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU025187
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. NBU 1022-10FT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T10S R22E SENW 2200FNL 2094FWL		9. API Well No. 43-047-40196
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

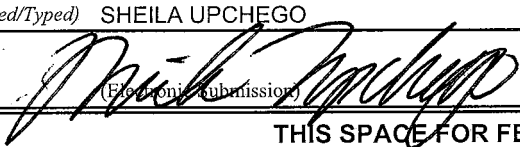
## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

FINISHED DRILLING FROM 2290' TO 8620' ON 05/01/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/480 SX PREM LITE II @12.1 PPG 2.31 YIELD. TAILED CMT W/1185 SX 50/50 POZ @14.3 PPG 1.31 YIELD. FLUSH LINE & DROP PLUG DISPLACE W/132.8 BBLS WATER W/CLAYTREAT + 1 GAL MAGNACIDE & CORROSION INHIBITER BUMP PLUG W/3200 PSI ORIGINAL PUMPING PSI WAS 2700 500 OVER PSI 100% RETURNS W/10 BBLS CMT BACK TO SURFACE 1.5 BBLS BLEED OFF FLUSHED STACK & SET MANDREL W/50K STRING WT TOP OF TAIL @3667' CGG HOLE 8612' FLOAT 8569' NIPPLE DOWN BOP INSTALL NIGHT CAP & CLEAN MUD PITS.

RELEASED PIONEER RIG 69 ON 05/02/2009 AT 1200 HRS.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #69793 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal	
Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature  (Electronic Submission)	Date 05/06/2009
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Date _____
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	Office _____

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*****RECEIVED****MAY 18 2009****DIV. OF OIL, GAS & MINING**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-025187
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-10FT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2200 FNL 2094 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 10 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401960000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 6/27/2009	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b> _____	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 06/27/2009 AT 9:00 AM. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY</b> June 30, 2009		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/29/2009	

# ROCKIES

## Operation Summary Report

Well: NBU 1022-10FT			Spud Conductor: 4/11/2009			Spud Date: 4/16/2009		
Project: UTAH			Site: UINTAH			Rig Name No: PIONEER 69/69, PROPETRO/		
Event: DRILLING			Start Date: 4/16/2009			End Date:		
Active Datum: RKB @5,120.00ft (above Mean Sea Level)			UWI: 0/10/S/22/E/10/0/SENW/6/PM/N/2,200.00/W/0/2,094.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
4/16/2009	15:00 - 0:00	9.00	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1500 HR 4/16/09 DRILL W/ AIR MIST 900' DA
4/17/2009	0:00 - 11:00	11.00	DRLSUR	02		P		RIG DRILLED TO 1230' W/ AIR MIST HIT SOME WATER PREP TO TFNB
	11:00 - 17:00	6.00	DRLSUR	05		P		TRIP DP OUT OF HOLE AND LAY DOWN AIR HAMMER RIH WITH TRI CONE
	17:00 - 0:00	7.00	DRLSUR	02		P		RIG DRILLING AHEAD HIT TRONA WATER @ 1390' DRILLING WITH FLUID NO RETURNS
4/18/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD HIT MORE TRONA WATER FROM 1390'-1510' DA 1600'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD DRILLING WITH FLUID NO RETURNS 1980'
4/19/2009	0:00 - 10:00	10.00	DRLSUR	02	A	P		RIG DRILLED TO 2290' T/D WITH FLUID NO RETURNS CONDITION HOLE
	10:00 - 11:00	1.00	DRLSUR	09	A			SURVEY .25 DEG
	11:00 - 14:00	3.00	DRLSUR	05	D	P		TRIP DP OUT OF HOLE
	14:00 - 17:00	3.00	DRLSUR	11	B	P		RUN 2254.9' OF 9 5/8 36# J-55 CSG FLOAT COLLAR @ 2210.1' RIG DOWN AIR RIG
	17:00 - 18:00	1.00	DRLSUR	15	A	P		CEMENT SURFACE WITH 350 SKS @ 15.8# 1.15 5.0 GAL/SK NO RETURNS THRU OUT JOB 280 PSI LIFT LAND PLUG W/700 PSI FLOATS DID NOT HOLD SHUT IN WELL
	18:00 - 18:30	0.50	DRLSUR	15	A	P		1ST TOP JOB 100 SKS DOWN BS WOC
	18:30 - 20:30	2.00	DRLSUR	15	A	P		2ND TOP JOB 150 SKS DOWN BS WOC
	20:30 - 22:30	2.00	DRLSUR	15	A	P		3RD TOP JOB 75 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	22:30 - 22:30	0.00	DRLSUR					NO VISIBLE LEAKS PIT HAS 2 FEET IN IT WORT
4/24/2009	17:00 - 20:00	3.00	RDMO	01	E	P		RIG DOWN SET OUT FRONT END HAD 2 BED TRUCK & 1 FORK LIFT STARTED @ 12:00 QUIT @ 14:30 SET FRONT END OUT
	20:00 - 0:00	4.00	RDMO	12	D	P		WAIT ON DAY LIGHT
4/25/2009	0:00 - 7:00	7.00	RDMO	12	D	P		WAIT ON DAY LIGHT
	7:00 - 7:30	0.50	RDMO	12	D	P		HELD SAFTY MEETING WITH TRUCK DRIVER, CRAIN OPERATOR, RIG CREWS
	7:30 - 16:00	8.50	RDMO	01	A	P		BRUCE, TOOLPUSHER & MYSELF
								RIG DOWN MOVE TO NEW LOCATION HAD 5 BED TRUCKS, 2 HAUL TRUCKS, 2 FORK LITS, 2 SWANPER FOR TRUCK, 2SWANPER FOR CRAIN
								HAD 2 CREW 10 MEN RELEASED TRUCKS, CRAIN @ 16:30 4/25/2009 RIG UP
	16:00 - 21:30	5.50	MIRU	01	B	P		RIG UP ROTARY TOOLS
	21:30 - 0:00	2.50	MIRU	13	A	P		NIPPLE UP BOPS
4/26/2009	0:00 - 1:30	1.50	DRLPRO	13	A	P		NIPPLE UP BOPS
	1:30 - 6:30	5.00	DRLPRO	13	C	P		TEST BOPS PIPE, BLIND RAMS, HCR WING VALVES, UPPER, LOWER KELLY VALVES, CHECK, CHOKE MANIFOLD, FLOOR VALVES HIGH 5,000 PSI , LOW 250 HY-DRILL 2500 PSI HIGH LOW 250, CASING 1500 PSI HIGH 250 LOW
	6:30 - 8:00	1.50	DRLPRO	06	D	P		SLIP & CUT DRILLING LINE
	8:00 - 9:30	1.50	DRLPRO	05	A	P		INSTALL WEAR BUSHING HAD TROULE GET IT TO RELESE
	9:30 - 10:30	1.00	DRLPRO	05	A	P		HELD SAFTY MEETING W/ SCIENTIFIC & WEATHFORD & RIG UP WEATHFORD
	10:30 - 13:30	3.00	DRLPRO	05	A	P		PICK UP MWD TOOLS, BHA, TAGED CMT @2226

**ROCKIES**  
**Operation Summary Report**

Well: NBU 1022-10FT	Spud Conductor: 4/11/2009	Spud Date: 4/16/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 4/16/2009	End Date:
Active Datum: RKB @5,120.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/10/0/SENW/6/PM/N/2,200.00/W/0/2,094.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	13:30 - 14:00	0.50	DRLPRO	05	A	P		TEST MUD PUMPS, LINES FOR LEAKS
	14:00 - 15:00	1.00	DRLPRO	02	F	P		DRILL CMT F/ 226 TO 2257 DILL FLOAT COLLAR, SHOE
	15:00 - 15:30	0.50	DRLPRO	06	A	P		RIG SER
	15:30 - 16:30	1.00	DRLPRO	02	D	P		DRILL F/ 2257 TO 2367' 10 TO 12 K PSK 118 PSI 1496 447 GPM
	16:30 - 18:30	2.00	DRLPRO	09	D	P		SURVEY TO SEE WHERE OLD WELL IS N W 2' AHEAD OF OLD WELL PUT 7' SLIDE RANING EVERY 2'
	18:30 - 0:00	5.50	DRLPRO	02	D	P		DRILL F/ 2367 TO 2487' KEEP ROP DOWN TO 60 TO 100' SO TOOL WOULD KEEP READING AS WE DRILL 6-8 K PUMP 1496 118 SPM 447 GPM OFF BOTOM PSI 1320 PSI ROTATING 96.46 % SLID 3.54 %
4/27/2009	0:00 - 16:00	16.00	DRLPRO	02	D	P		DRILL, SLIDE F/ 2487 TO 4658 WT 12TO14 K PUMP 120 SPM 455 GPM ROTARY 43 DH 100 RPM OF BOTTOM 1420 ON BOTTOM 1760 PSI ROP 189'
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SER
	16:30 - 0:00	7.50	DRLPRO	02	D	P		DRILL F/ 4658 TO 5355' WT 12TO14 K PUMP 120 SPM 455 GPM ROTARY 43 DH 100 RPM OF BOTTOM 1540 ON BOTTOM 17601800 PSI ROP 130'
4/28/2009	0:00 - 15:00	15.00	DRLPRO	02	D	P		DRILL F/ 5355' TO 6302' WT 12TO14 K PUMP 120 SPM 455 GPM ROTARY 43 DH 100 RPM OF BOTTOM 1540 ON BOTTOM 1800 PSI ROP 40 TO 100
	15:00 - 15:30	0.50	DRLPRO	06	A	P		RIG SER
	15:30 - 0:00	8.50	DRLPRO	02	D	P		DRILL F/6302 TO 6776' WT 16TO18 K PUMP 120 SPM 455 GPM ROTARY 43 DH 100 RPM OF BOTTOM 1600 ON BOTTOM 2283 PSI ROP 40 TO 60.
4/29/2009	0:00 - 16:00	16.00	DRLPRO	02	B	P		DRILL 6776 TO 7599' 823' @ 51.4 FPH, WOB 20, RPM 50, MRPM 99.8, SPM 120, GPM 454, PU/SO/ROT 172/150/155, ON/OFF PSI 2610/2430,DIFF PSI 180, VIS 39, WT 10.7
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRILL 7599' - 8010' 411' @ 54.8 FPH, WOB 20, RPM 50, MRPM 99.8, SPM 120, GPM 454, PU/SO/RT 165/148/ 160, ON/OFF PSI 3042/2750, DIFF PSI 292, VIS 40, MW 11.4
4/30/2009	0:00 - 5:00	5.00	DRLPRO	02	B	P		DRILL 8010' - 8114' 104' TOTAL @ 20.8 FPH, WOB 20/22, RPM 50, MRPM 99.8, SPM 120, GPM 454, PU/SO/ROT 175/150/160, ON/OFF PSI 2700/2600, DIFF PSI 100, VIS 40, MW 11.5
	5:00 - 6:30	1.50	DRLPRO	04	A	P		CIRCULATE,MIX & PUMP PILL F/ BIT TRIP
	6:30 - 11:30	5.00	DRLPRO	05	A	P		TFNB,LAYDOWN DIR TOOLS, BENT HOUSING MTR & BIT
	11:30 - 16:30	5.00	DRLPRO	05	A	P		CLEAR CATWALK,PICTURE & PICK UP NEW MOTOR & BIT, TIH. GAS MIGRATED TO SURFACE 10' - 15' FLARE.
	16:30 - 18:00	1.50	DRLPRO	03	E	P		TIGHT SPOT @ 7965', KELLY UP WASH & REAM F/ 7925' - 8114' 189' TO BOTTOM,NO FILL. CIRC OUT GAS 350 PSI LOSS W/ 20'-30' FLARE THRU BUSTER 11.6 MW IN 11.4 MW OUT
	18:00 - 22:30	4.50	DRLPRO	02	B	P		DRILL 8114' - 8455' 341'TOTAL @ 75.7 FPH, WOB 18, RPM 50, MRPM 104,125 SPM, 473 GPM, PU/SO/ROT 183/175/169, ON/OFF PSI 2823/ 2486, DIFF PSI 337, VIS 41, MW 11.9

**ROCKIES**  
**Operation Summary Report**

Well: NBU 1022-10FT	Spud Conductor: 4/11/2009	Spud Date: 4/16/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 4/16/2009	End Date:
Active Datum: RKB @5,120.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/10/0/SENW/6/PM/N/2,200.00/W/0/2,094.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
5/1/2009	22:30 - 0:00	1.50	DRLPRO	04	D	X		HOLE TAKING FLUID @ 8440' W/ 11.9+ MW, 68 BBL LOSS. PICK UP CIRC & MIX LCM TO 3%,SHAKERS BYPASSED. BUILD VOLUME.
	0:00 - 0:30	0.50	DRLPRO	04	D	P		CIRC RAISE LCM TO 3%,BUILD VOLUME
	0:30 - 3:30	3.00	DRLPRO	02	B	P		DRILL 8455' - 8620' 165' TOTAL @ 55.0 FPH, WOB 18, MRPM 84, SPM 100, GPM 379, PU/SO/ROT 171/160/165, ON/OFF PSI 2110/1751, DIFF PSI 359, VIS 41, MW 12.1
	3:30 - 5:00	1.50	DRLPRO	04	C	P		CIRCULATE F/ SHORT TRIP
	5:00 - 6:00	1.00	DRLPRO	05	E	P		SHORT TRIP 10 STDS TO 7988'
	6:00 - 9:00	3.00	DRLPRO	04	C	P		CIRCULATE TO LDDS, 5200 UNITS BOTTOMS UP GAS, 15'-20' FLARE 12.1 MW IN / 11.9 MW OUT
	9:00 - 15:00	6.00	DRLPRO	05	A	P		HELD SAFETY MEETING. LD DP,BRK DOWN KELLY & LD BHA.PULL WEAR BUSHING
	15:00 - 20:00	5.00	DRLPRO	08	F	P		HELD SAFETY MEETING. RIG UP BAKER & RUN TRIPLE COMBO LOGGS F/ 8621' TO SHOE & GAMMA RAY TO SURFACE,RIG DOWN LOGGERS
	20:00 - 21:00	1.00	DRLPRO	11	A	P		HELD SAFETY MEETING. RIG UP WEATHERFORD CSG CREW.
	21:00 - 0:00	3.00	DRLPRO	11	B	P		RUN 4.5 PRODUCTION CSG. 37 CENTRALIZERS RAN TO TOP OF WASATCH @ 4225'
5/2/2009	0:00 - 2:30	2.50	DRLPRO	11	B	P		RUN 4.5" PRODUCTION CSG,RIG DOWN WEATHERFORD
	2:30 - 4:30	2.00	DRLPRO	04	E	P		HELD SAFETY MEETING. RIG UP BJ HEAD & CIRC OUT GAS W/ RIG PUMP. GAS MIGRATED TO SURFACE. 5300 UNITS BOTTOMS UP GAS 20' - 30' FLARE.
	4:30 - 7:00	2.50	DRLPRO	15	A	P		SWITCH LINES & PSI TEST BJ LINES TO 4500 PSI. PUMP 40 BBLS FRESH WATER @ 8.3 PPG. PUMP LEAD 198 BBLS, 480 SCKS PREMIUM LITE 11CEMENT @ 12.1 PPG,2.31 cF/SACK YIELD. PUMP TAIL 277 BBLS, 1185 SCKS 50:50:2 POZ MIX CEMENT @ 14.3 PPG,1.31 cF/SACK YIELD. FLUSH LINE & DROP PLUG, DISPLACE W/ 132.8 BBLS WATER W/ CLAYTREAT + I GL MAGNACIDE & CORROSION INHIBITER. BUMP PLUG W/ 3200 PSI. ORIGINAL PUMPING PSI WAS 2700, 500 OVER PSI, 100% RETURNS W/ 10 BBLS CEMENT BACK TO SURFACE,1.5 BBLS BLEED OFF. FLUSHED STACK & SET MANDREL W/ 50K STRING WT. RIG DOWN BJ. TOP OF TAIL @ 3667' CSG SHOE 8612'. FLOAT 8569'
	7:00 - 12:00	5.00	DRLPRO	13	A	P		NIPPLE DOWN BOP, INSTALL NIGHT CAP & CLEAN MUD PITS. RELEASE RIG @ 12:00 05/02/2009

# ROCKIES

## Operation Summary Report

Well: NBU 1022-10FT			Spud Conductor: 4/11/2009			Spud Date: 4/16/2009		
Project: UTAH			Site: UINTAH			Rig Name No: MILES-GRAY 1/1		
Event: COMPLETION			Start Date: 6/15/2009			End Date: 6/25/2009		
Active Datum: RKB @5,120.00ft (above Mean Sea Level)			UWI: 0/10/S/22/E/10/0/SENW/6/PM/N/2,200.00/W/0/2,094.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
6/18/2009	7:00 - 7:30	0.50		48				JSA
	7:30 - 17:00	9.50		30				MOVE IN RU RIG NU TEST BOPS RU FLOOR & TUB EQUIP PU 272 JNTS OF 2-3/8 J-55 TUBING TAG FILL @ 8548' NU PUMP C/O TO 8568' POOH ND BOPS NU FRAC VALVES SDFN
6/19/2009	7:00 - 7:30	0.50		48				JSA PRESS TESTING
	7:30 - 15:00	7.50		30				RU & TEST CAS & FRAC VALVES TO 7500 PSI RU AND PERF MESA VERD FROM 8470-8540' READY TO FRAC MON MORN SWIFW.
6/22/2009	7:00 - 7:30	0.50		48				JSA FRAC/ W/L SAFETY
	7:30 - 15:00	7.50		30				MOVE IN NU SCH. FOR FRAC, PRESS TEST PUMPS & LINES TO 8000 PSI FRAC STAGE #1 8470'- 8540' {42} HOLES
								STG #1 WHP= 1729 PSI BRK DWN PERFS @ 4101 PSI , INJ PSI=5200 PSI, INJ RATE= 50 BPM, ISIP=2400 PSI, FG=.71, PUMPED 2423 BBLS SLK WTR W/83452# 30/50 MESH, W/50000# RESIN COAT IN TAIL, ISIP=2600 PSI, FG=.74, AR=45.2, AP=4246, MR=49.4, MP=6645 PSI, NPI= 200, W/ 28/42 CALC PERFS OPEN 68%
								STG #2[DEFIT] P/U RIH W/HALIBURTON 8K CBP & PERF GUN SET CBP @ 8320' PERF MESA VERDE USING 3-3/8" , 23 GRM, 0.36" HOLE. 8061'-8064' 3 SPF, 120* PH, 9 HOLES RU DELSCO RIH W/ HALIBURTON DOWNHOLE GAUGES 8050' WHP= 797 PSI, BREAK DWN PERFS=2306 PSI, FG=.73, ISIP= 2400 PSI. SWI @ 11:30AM 12 HR DEFIT.
6/23/2009	6:00 - 6:30	0.50		48				JSA S/L SAFETY

## ROCKIES

## Operation Summary Report

Well: NBU 1022-10FT	Spud Conductor: 4/11/2009	Spud Date: 4/16/2009
Project: UTAH	Site: UINTAH	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 6/15/2009	End Date: 6/25/2009
Active Datum: RKB @5,120.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/10/0/SENV/6/PM/N/2,200.00/W/0/2,094.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	6:30 - 17:00	10.50		30				<p>POOH W/DWN HOLE GAUGES RU RIH W/ PERF GUNS PERF MESA VERDE USING 3-3/8" EXPEND, 23 GM, 0.36" HOLE.</p> <p>8160'-8164' 120* PH, 12 HOLES</p> <p>8256'-8258' 120*PH, 6 HOLES</p> <p>8286'-8290' 90* PH, 16 HOLES</p> <p>WHP= 1120PSI BRK DWN PERFS @ 2650PSI, INJ PSI=5100#, INJ RT=50, ISIP=2350#, FG=.72, PUMP'D 2889 BBLS SLICK WTR W/ 111702# 30/50 MESH, W/ 5000# RESIN COAT TAIL, ISIP=2600 PSI. FG=.75, AR= 47, AP=4299, MR=50.6, MP=5523, NPI=250 PSI, W/20/43 PERFS OPEN 66%</p> <p>STAGE# 3 PU RIH W/ HALIBURTON 8K CBP &amp; PERF GUN , SET CBP @ 7990', PERF MESA VERDE USING 3-3/8" EXPEND, 23 GM, 0.30" HOLE.</p> <p>7776-7778 3 SPF, 120* PH 6 HOLES</p> <p>7848'-7851' 3 SPF, 120* PH 9 HOLES</p> <p>7874'-7878' 3 SPF, 120* PH 12 HOLES</p> <p>7946'-7950' 4 SPF, 90* PH 16 HOLES</p> <p>WHP=980# BRK DN PERFS @3339 #, INJ PSI=4700#, INJT RT=50, ISIP=#2300, FG=.72, PUMP'D 2730.7 BBLS SLK WTR W/105945 # 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2700#, FG=.77, AR=47.7, AP=4447#, MR=50.5, MP=5768#, NPI=400#, 34/43 CALC PERFS OPEN 80%.</p> <p>STAGE# 4 PU RIH W/ HALIBURTON 8K CBP &amp; PERF GUN , SET CBP @ 7690', PERF MESA VERDE USING 3-3/8" EXPEND, 23 GM, 0.30" HOLE.</p> <p>7483'-7486' 3 SPF, 120* PH 9 HOLES</p> <p>7567'-7571', 3 SPF, 120* PH 12 HOLES</p> <p>7605'-7608', 3 SPF, 120* PH 9 HOLES</p> <p>7651'-7654', 4 SPF, 90* PH 12 HOLES</p> <p>[MISS RUN HAD TO REBUILD GUN]</p> <p>WHP=185# BRK DN PERFS @3609 #, INJ PSI=4900#, INJT RT=50 BPM, ISIP=2000#, FG=.69., PUMP'D 1171.3 BBLS SLK WTR W/ 46264# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2600#, FG=.77, AR=44.4, AP=4179#, MR=.50.5 MP=5955#, NPI=600#, 26/42 CALC PERFS OPEN 63%.</p> <p>STAGE# 5{ DEFIT} PU RIH W/ HALIBURTON 8K CBP &amp; PERF GUN , SET CBP @ 7352', PERF MESA VERDE USING 3-3/8" EXPEND, 23 GM, 0.30" HOLE</p> <p>7310'-7316' 4 SPF, 90* PH, 24 HOLES</p> <p>WHP=760# BRK DN PERFS @4000 #, INJ PSI=#, INJT RT= 5 BPM, ISIP=2000#, FG=.71., PUMP'D 1000 GALS SLK WTR SWIF 12 HRSFOR DEFIT</p>
6/24/2009	-							
	7:00 - 7:30	0.50		48				JSA W/L & PRESS SAFETY

## ROCKIES

## Operation Summary Report

Well: NBU 1022-10FT	Spud Conductor: 4/11/2009	Spud Date: 4/16/2009
Project: UTAH	Site: UINTAH	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 6/15/2009	End Date: 6/25/2009
Active Datum: RKB @5,120.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/10/0/SENW/6/PM/N/2,200.00/W/0/2,094.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 17:00	9.50		30				POOH W/ SLICK LINE LD TOOLS STAGE# 5 PU RIH W/ HALIBURTON 8K CBP & PERF GUN , SET CBP @ 7990', PERF MESA VERDE USING 3-3/8" EXPEND, 23 GM, 0.30" HOLE 7136'-7140' 2 SPF 180* PH 8 HOLES 7158'-7162' 3 SPF 120* PH 12 HOLES  WHP=720# BRK DN PERFS @2545 #, INJ PSI=4900#, INJT RT=50 BPM, ISIP=1750#, FG=67., PUMP'D 998.9 BBLS SLK WTR W/ 37961# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2600#, FG=79, AR=43, AP=4120#, MR=50.5, MP=5321#, NPI=850#, 28/44 CALC PERFS OPEN 66%.  STAGE# 6 PU RIH W/ HALIBURTON 8K CBP & PERF GUN , SET CBP @ 7080', PERF MESA VERDE USING 3-3/8" EXPEND, 23 GM, 0.30" HOLE 6831'-6834' 2 SPF 180* PF 6 HOLES 6918'-6922' 3 SPF 120* PH 12 HOLES 7048'-7054' 4 SPF 90* PH 24 HOLES  WHP=300# BRK DN PERFS @2027 #, INJ PSI=5700#, INJT RT= 50BPM, ISIP=1600#, FG=66, PUMP'D 1231.1 BBLS SLK WTR W/47957 # 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2100#, FG=73, AR=45.8, AP=4558#, MR=50.5, MP=5883#, NPI=500#, 35/42 CALC PERFS OPEN.  PU RIH W/ HALIBURTON 8K CBP FOR KILL PLUG @6781' RD MO CUTTERS & SCHLUMBERGER ND FRAC VALVES NU BOPS, RU FLOOR & TUB EQUIP RIH TAG KILL PLUG PU PWR SWVL PREP TO DRILL IN AM SWIFN. DRILL PLUGS PRESS SAFETY SIWP=0 PSI EST CIRC W/ RIG PMP  PLUG #1 DRILL THROUGH HALI 8000K CBP @ 6781' IN 12 MIN W/ 200# INCREASE.  PLUG # 2 CONTINUE TO RIH TAG SAND @ 7050 {30'FILL} C/O & DRILL THRU HALI 8K CBP IN 15 MIN 200# INCREASE  PLUG # 3 CONTINUE TO RIH TAG SAND @ 7322' {30'FILL} C/O & DRILL THRU HALI 8K CBP IN 17 MIN 300# INCREASE  PLUG # 4 CONTINUE TO RIH TAG SAND @7654' {30' FILL} C/O & DRILL THRU HALI 8K CBP IN 13 MIN 500# INCREASE.  PLUG #5 CONTINUE TO RIH TAG SAND @ 7950' {30' FILL} C/O & DRILL THRU HALI 8K CBP IN 15 MIN 500# INCREASE  PLUG # 6 CONTINUE TO RIH TAG SAND @8290' {30' FILL} C/O & DRILL THRU HALI 8K CBP IN 12 MIN 700# INCREASE CIRC CLEAN POOH LD 60 JNTS LAND WELL ON HANGER W/ 212 JNTS OF 2-3/8" J-55 TUBING EOT @ 6693 RD FLOOR & TUB EQUIP ND BOPS NU WELL HEAD DROP BALL PUMP OFF BIT SUB WAIT 30 MIN TURN WELL OVER TO FBC
6/25/2009	7:00 - 7:30	0.50		48				
	7:30 - 7:30	0.00		30				

## ROCKIES

## Operation Summary Report

Well: NBU 1022-10FT			Spud Conductor: 4/11/2009			Spud Date: 4/16/2009		
Project: UTAH			Site: UINTAH			Rig Name No: MILES-GRAY 1/1		
Event: COMPLETION			Start Date: 6/15/2009			End Date: 6/25/2009		
Active Datum: RKB @5,120.00ft (above Mean Sea Level)			UWI: 0/10/S/22/E/10/0/SENW/6/PM/N/2,200.00/W/0/2,094.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
6/26/2009	7:00 -		PROD	33	A	P		7 AM FLBK REPORT: CP 2950#, TP 1950#, 20/64" CK, 50 BWPH, TRACE SAND,- GAS TTL BBLS RECOVERED: 2625 BBLS LEFT TO RECOVER: 8819
6/27/2009	7:00 -		PROD	33	A	P		7 AM FLBK REPORT: CP 3000#, TP 2125#, 20/64" CK, 38 BWPH,TRACE SAND, - GAS TTL BBLS RECOVERED: 3628 BBLS LEFT TO RECOVER: 7816
	9:30 -		PROD	50				WELL TURNED TO SALE @ 0930 HR ON 6/27/2009 - FTP 2325#, CP 3050#, 1.65 MCFD, 38 BWPD, 16/64 CK
6/28/2009	7:00 -		PROD	33	A	P		7 AM FLBK REPORT: CP 3000#, TP 2400#, 20/64" CK, 30 BWPH, TRACE AND, - GAS TTL BBLS RECOVERED: 4424 BBLS LEFT TO RECOVER: 7020
6/29/2009	7:00 -		PROD	33	A	P		7 AM FLBK REPORT: CP 2950#, TP 2375#, 16/64" CK, 20 BWPH,TRACE SAND,-GAS TTL BBLS RECOVERED: 4976 BBLS LEFT TO RECOVER: 6484

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-025187			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-10FT			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2200 FNL 2094 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 10 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401960000			
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES			
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/3/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <span style="border: 1px solid black; padding: 2px;">Frac Factory Pit and Re</span> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; padding: 2px;">Frac Factory Pit and Re</span>
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Kerr-McGee Oil & Gas Onshore, LP is requesting to refurb the existing pit on this well pad for completion operations. The refurb pit will be relined per the requirements in the COA of the APD. Upon completion of the wells on this pad, Kerr-McGee is also requesting to utilize this pit as a Frac Factory staging pit to be utilized for other completion operations in the area. There will be a 2-400 bbl upright skim tanks placed on the location. The trucks will unload water into these tanks before the water is placed into the refurbished pit. The purpose of the skim tanks is to collect any hydro-carbons that may have been associated with the other completion operations before releasing into the pit. We plan to keep this pit open for 1 year. During this time the surrounding well location completion fluids will be recycled in this pit and utilized for other frac jobs in the area. Thank you.					
<b>NAME (PLEASE PRINT)</b> Danielle Piernot	<b>PHONE NUMBER</b> 720 929-6156	<b>TITLE</b> Regulatory Analyst			
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/2/2009				

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-025187
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-10FT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2200 FNL 2094 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 10 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401960000
<b>PHONE NUMBER:</b> 720 929-6514		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/18/2013	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <span style="border: 1px solid black; padding: 2px;">PRODUCTION ENHANCEMENT</span>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator conducted the following workover/wellbore cleanout on the subject well on 7/18/2013. Please see the attached chronological well history for details. Thank you		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> September 12, 2013		
<b>NAME (PLEASE PRINT)</b> Teena Paulo	<b>PHONE NUMBER</b> 720 929-6236	<b>TITLE</b> Staff Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/16/2013	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 1022-10FT			Spud Conductor: 4/11/2009				Spud Date: 4/16/2009		
Project: UTAH-UINTAH			Site: NBU 1022-10FT					Rig Name No:	
Event: WELL WORK EXPENSE			Start Date: 7/18/2013					End Date:	
Active Datum: RKB @5,120.00usft (above Mean Sea Level)			UWI: 0/10/S/22/E/10/0/SENW/6/PM/N/2,200.00/W/0/2,094.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
7/18/2013	6:30 - 7:00	0.50	MAINT	48		P		JSA-SAFETY MEETING	
	7:00 - 9:00	2.00	MAINT	30	A	P		ROAD RIG FROM NBU 921-20 M TO LOC	
	9:00 - 13:00	4.00	MAINT	30	A	P		MIRU SERVICE UNIT, PUMP 40 BBLS WTR DN CSG AND TBG TO CONTROL WELL,N/D WH, N/U BOPS, TBG STUCK, PULLED TBG HANGER, WORK TBG W/ PULLING FREE,	
	13:00 - 17:00	4.00	MAINT	31	I	P		R/U SCAN TECH, TOO H W/ 2 3/8" J-55 TBG, SCAN TBG OUT W/ 198 JTS YELLOW BAND AND 14 JTS RED BAND, 212 TOTAL JTS, SHUT WELL IN SDFN	
7/19/2013	6:30 - 7:00	0.50	MAINT	48		P		JSA-SAFETY MEETING	
	7:00 - 9:30	2.50	MAINT	31	I	P		200# ON WELL BLOWED DN TO TK, P/U 3 7/8" MILL RIH W/ 2 3/8" J-55 TBG, TAG 6700',	
	9:30 - 17:00	7.50	MAINT	44	D	P		R/U SWIVEL AND FOAM UNIT C/O SCALE FROM 6700' TO 6888', RIH TAG SCALE 7318', C/O SCALE TO 7506', RIH TAG FILL 8525', C/O FILL TO 8550', TAG OLD POBS, CIRC WELL CLEAN W/ FOAM UNIT, R/D FOAM UNIT AND SWIVEL, P/O LAY DN 18 JTS ON TRAILER,TOOH 75 STANDS, TO @ 3500', SHUT WELL IN SDFWE	
7/22/2013	7:00 - 7:15	0.25	WO/REP	48		P		SAFETY = JSA.	
	7:15 - 13:00	5.75	WO/REP	31		P		SICP = 840#. SITP= 820#. BLOW DOWN WELL. CONTROL TBNG W/ 20BBLS TMAC. FINISH POOH W/ REMAINDER OF TBNG. L/D POBS & 3-7/8" MILL. P/U & RIH W/ NOTCH XN COMBO + 254 JTS 2-3/8" J-55 TBNG. BROACH TBNG WHILE RIH. CONTROL WELL AS NEEDED. WELL LANDED AS FOLLOWS:  KB = 18.00' HANGER= .83' 254 JTS 2-3/8" J-55 4.7# TBNG =7991.08' 1.875" NOTCH XN COMBO = 1.10' EOT @8011.01'  R/D FLOOR. NDBOP. NUWH. SWI. RDMOL	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-10FT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2200 FNL 2094 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 10 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401960000
<b>PHONE NUMBER:</b> 720 929-6104		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/19/2015	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
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<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="RADIO SITE"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Kerr-McGee Oil & Gas Onshore, LP has installed a house-mounted radio attached to a pole on a water pipeline manifold facility, which is located at 39 deg 57 51.57 N, 109 deg 25 30.93 W and is referred to as the Bitter Creek Manifold. The closest well location is the NBU 1022-10FT well. The equipment housed on the Bitter Creek Manifold is one 5.2 Ghz radio. The radio equipment located on the Bitter Creek Manifold connects only with the 1022-10C Tower, which is located at 39 deg 58 12.87 N, 109 deg 25 41.25 W. Attached is a location diagram of the Bitter Creek Manifold site as it is currently located. Thank you.		
<b>NAME (PLEASE PRINT)</b> Kristina Geno		<b>PHONE NUMBER</b> 720 929-6824
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst
<b>DATE</b> 3/19/2015		<b>FOR RECORD ONLY</b> March 23, 2015



Bitter Creek Manifold  
AKA Archie bench  
Ext. Manifold

NBU 1022-10FT

Radio  
location  
(Pole  
attached to  
side of  
building)